



Solarizing Your World!

Powering the Future of

SOLAR MANUFACTURING TOGETHER



Solarizing Your World!

Your OEM Partner in High-Precision
Solar Manufacturing

6+ Years of Expertise

AI-Enabled **1.2** GW Facility

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Bhiwandi | Gandhinagar | Wada (1.2 GW)

ABOUT CONTENDRE SOLAR

Contendre Solar is a leading Indian solar module manufacturer with over 6 years of experience in delivering high-performance solar solutions. With installations across India and a growing export base, we offer a powerful blend of manufacturing scale, technical know-how, and customer-centric flexibility.

Our facilities are BIS and ALMM certified, ensuring global compliance and quality. From government agencies like NTPC and NHPC to private EPC players, Contendre is a trusted OEM partner.

THE NEW 1.2 GW AI-ENABLED FACILITY – WADA, MAHARASHTRA

Our newest state-of-the-art manufacturing hub is built for scale, speed, and precision. Spread over 16 acres, this fully automated, AI-driven line is designed to serve OEM clients with high expectations.

- AI-integrated defect detection systems
- Automated glass loading and cell stringing
- Industry 4.0-ready MES & ERP integrated
- TOPCon and HJT-ready process design
- Strategic Location Advantage: Centrally located in Maharashtra, with close proximity to both the airport and the port, ensuring faster domestic and export logistics.



Our Cutting-Edge Innovation
Advanced, fully automated technology

**THE CALL OF THE HOUR – TO HARNESS
CLEAN, SUSTAINABLE ENERGY**



**WORLD-CLASS TECHNOLOGY ATW AUTO STRINGER
& SC AUTOMATION LINE**

Mission

Our mission is to create,
“A greener planet through innovative
solar solutions”

Vision

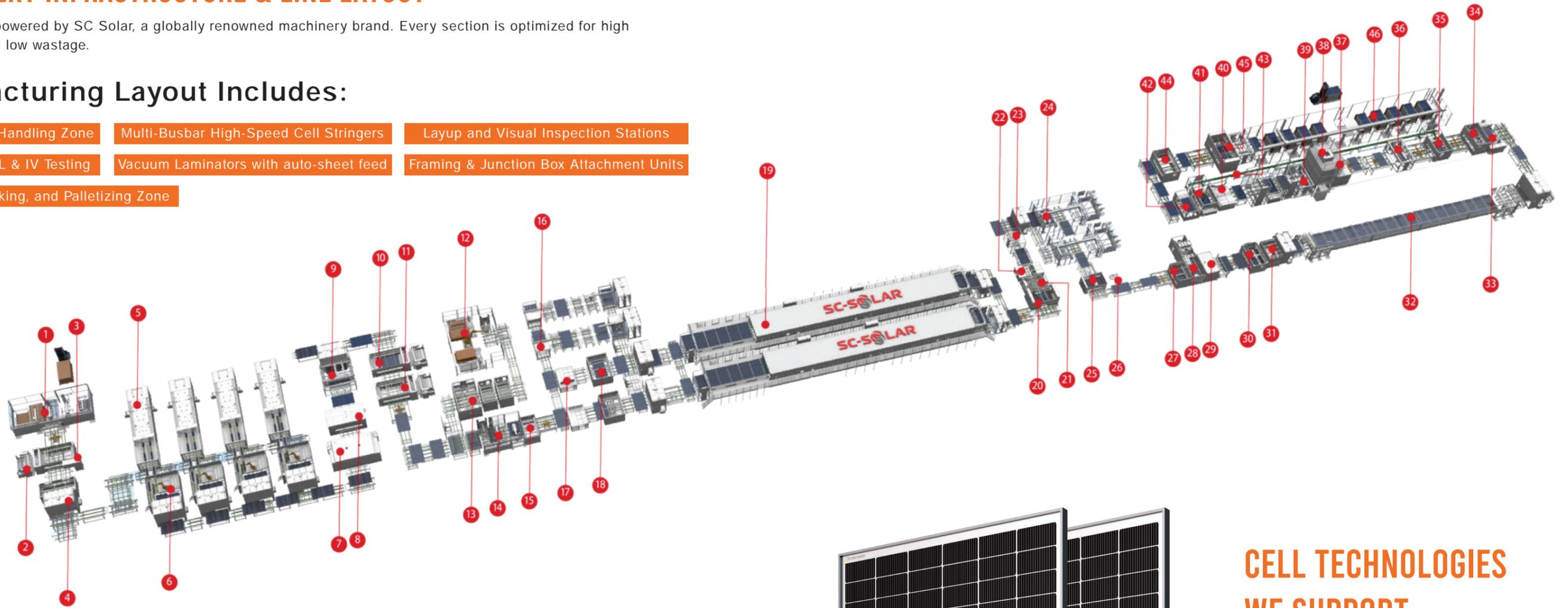
We envision a world where clean energy is
accessible to everyone, reducing carbon footprints
and fostering sustainable growth globally.

MACHINERY INFRASTRUCTURE & LINE LAYOUT

Our facility is powered by SC Solar, a globally renowned machinery brand. Every section is optimized for high throughput and low wastage.

Manufacturing Layout Includes:

- Raw Material Handling Zone
- Multi-Busbar High-Speed Cell Stringers
- Layout and Visual Inspection Stations
- AI-Enabled EL & IV Testing
- Vacuum Laminators with auto-sheet feed
- Framing & Junction Box Attachment Units
- Final QC, Packing, and Palletizing Zone



ADVANTAGES OF SC SOLAR MACHINERY



State of the Art Turnkey Production Line



Minimal Manual Intervention – reducing human error



Inline Defect Detection using AI vision systems



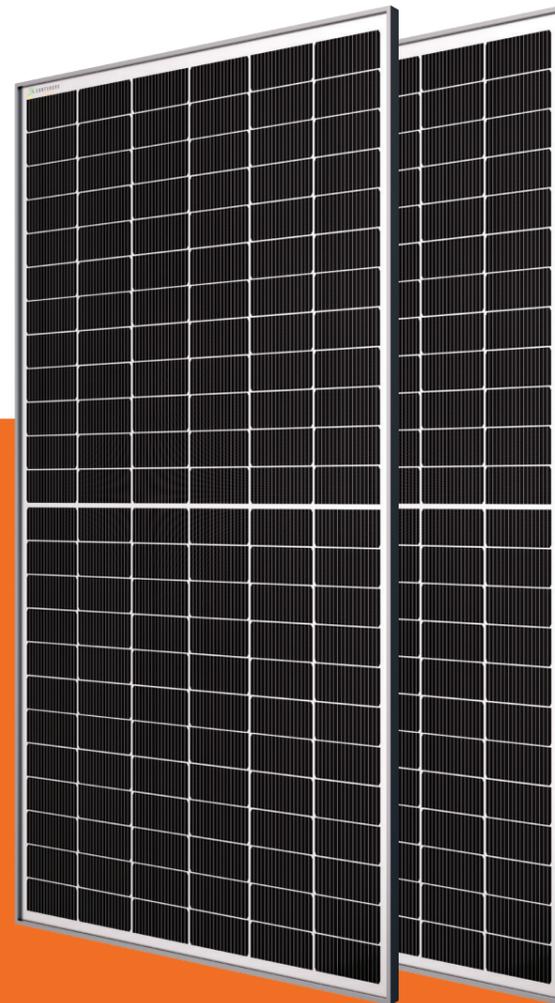
Supports Mono PERC, G2G Bifacial, and TOPCon Modules



Higher Throughput (Up to 5 MW/day per line)



Consistent Quality Control with Automated Calibration



CELL TECHNOLOGIES WE SUPPORT

- P Type Mono PERC (M10)
- N Type TOPCon (G12)
- N Type TOPCon (G12R)

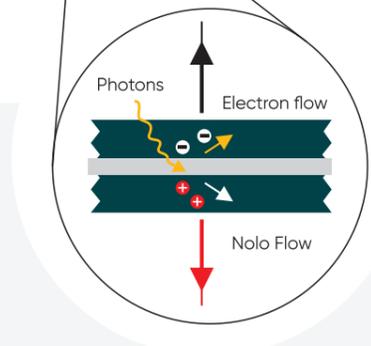
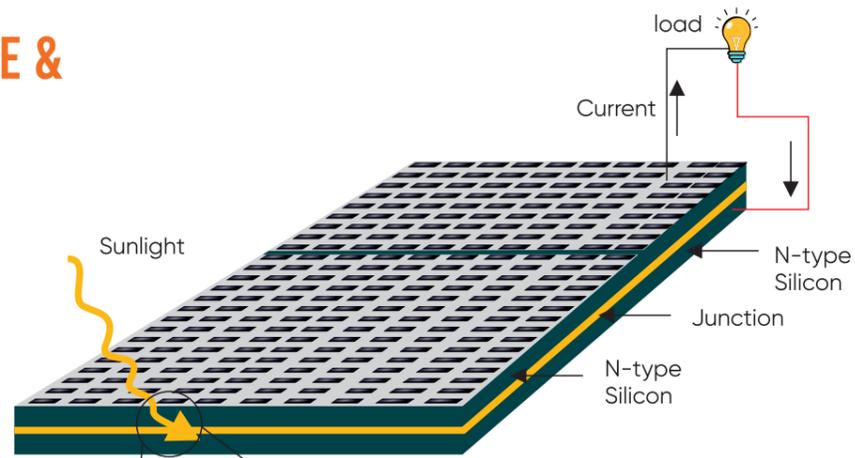
CELL CONFIGURATIONS:

108 / 120 / 132 / 144 /
156 half-cut formats

CUSTOMIZATIONS:

- Client Branding |
- Labeling | Packaging |
- QR codes | Serial
- Tracking | Traceability
- Enabled

MACHINERY INFRASTRUCTURE & LINE LAYOUT



SOLAR MODULES

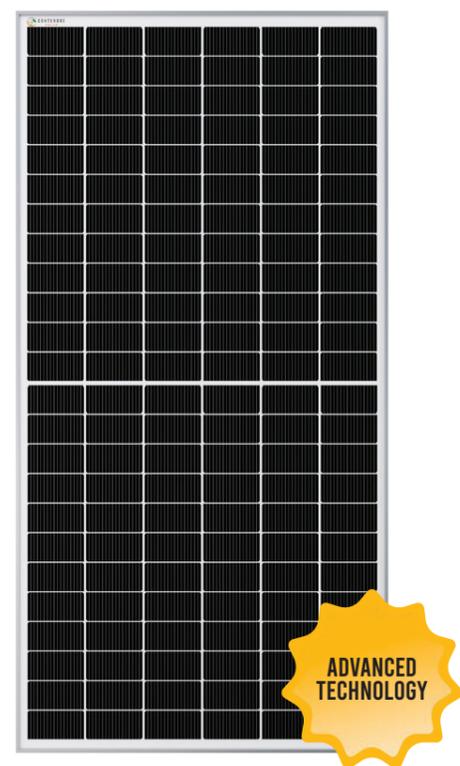
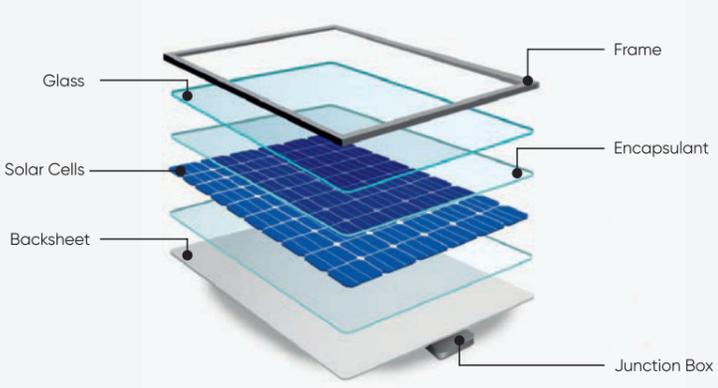
Type - Mono PERC and TOPCon
Solar Cells - 108 - 156 Cell

Module Technology - Mono Facial
and Bi - Facial (Dual Glass and
Transparent Backsheet)

Features - Reliable, Durable,
Cost-Effective, Energy Saving

SOLAR CELLS

N-type TOPCon with efficiency upto 25.3%
Mono PERC
(Passivated Emitter & Rear Cell)
P-type with efficiency upto 23.65%



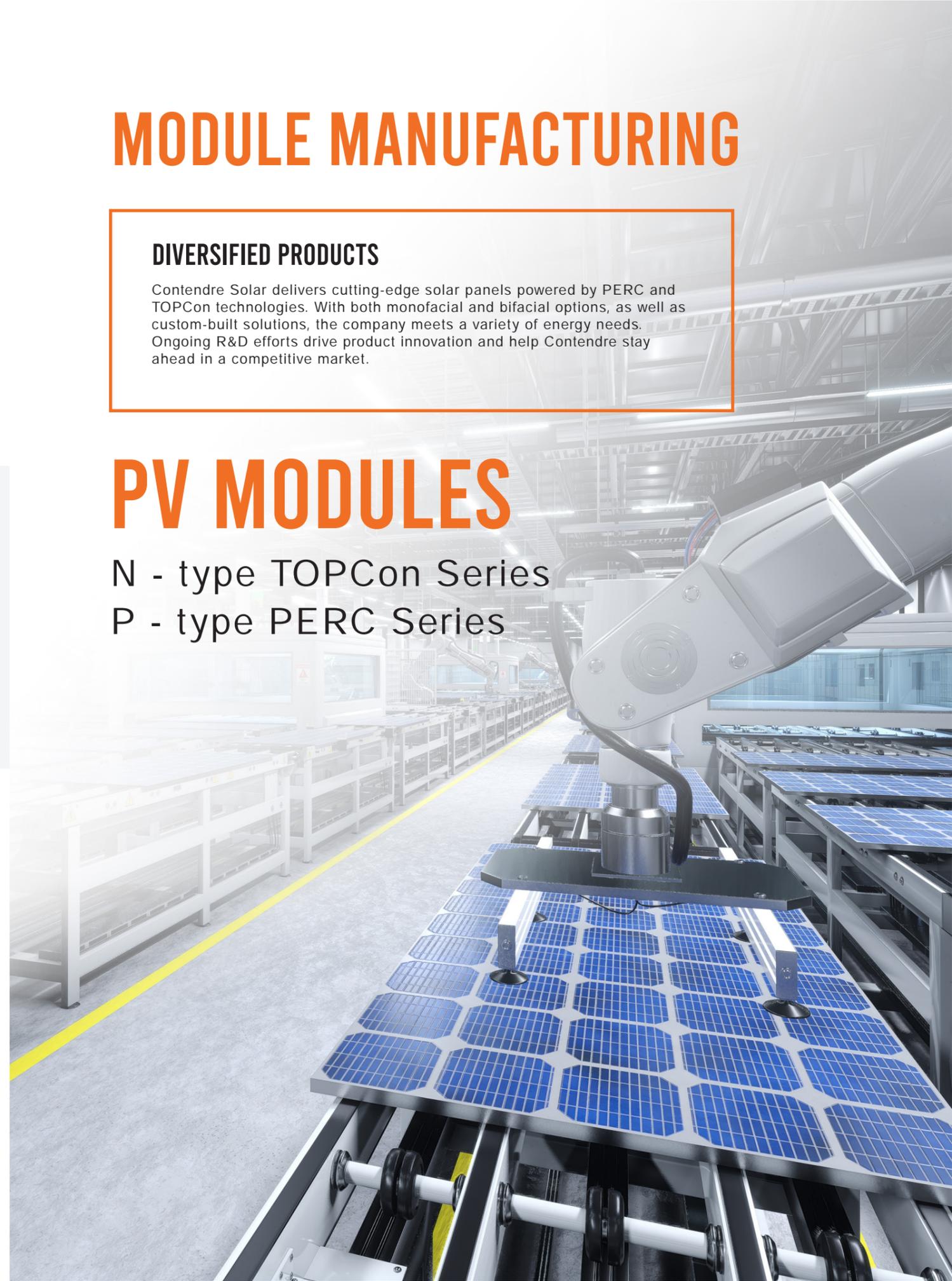
MODULE MANUFACTURING

DIVERSIFIED PRODUCTS

Contendre Solar delivers cutting-edge solar panels powered by PERC and TOPCon technologies. With both monofacial and bifacial options, as well as custom-built solutions, the company meets a variety of energy needs. Ongoing R&D efforts drive product innovation and help Contendre stay ahead in a competitive market.

PV MODULES

N - type TOPCon Series
P - type PERC Series



N - TYPE TOPCON

Half - Cut TOPCon Cell
Bifacial Dual Glass



Higher Efficiency



Lower Degradation



Outstanding Power Generation



PID Free/Low LID Protection



Lower Temperature Coefficient



Less Hot Spot Shading Effects



Enhanced Bifacial Factor

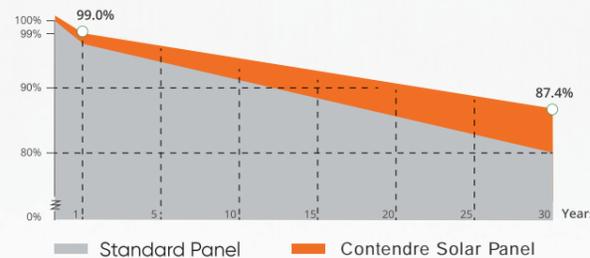


Exceptional Mechanical Resistance



WARRANTY

12 Year Product Warranty*
30 Year Linear Performance Warranty*



23.27%

Maximum Efficiency

650 WP

Maximum Power Output

0~+4.99 W

Positive Power Tolerance

GRADE A

Cells Guaranteed

0~+4.99 W

Positive Power Tolerance

P-TYPE PERC

Half-Cut PERC Cell
Bifacial Glass to Glass & Transparent Backsheet
Monofacial Glass to White Backsheet

21.48%

Maximum Efficiency

600 WP

Maximum Power Output

0~+4.99 W

Positive Power Tolerance

GRADE A

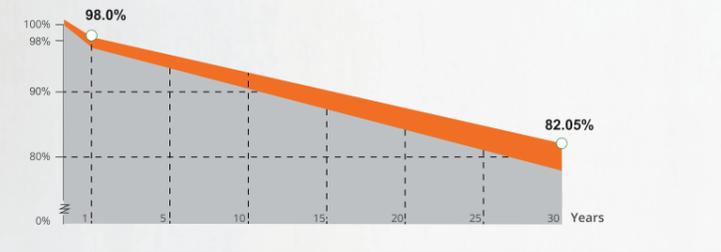
Cells Guaranteed

BIFACIAL | MONOFACIAL

Type of Panel

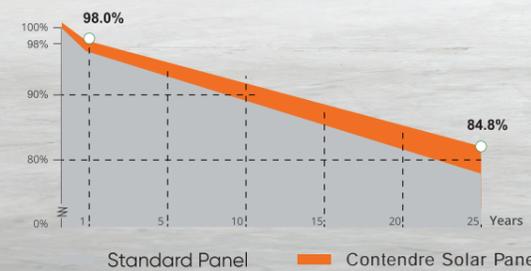
WARRANTY (Bifacial)

12 Year Product Warranty*
30 Year Linear Performance Warranty*

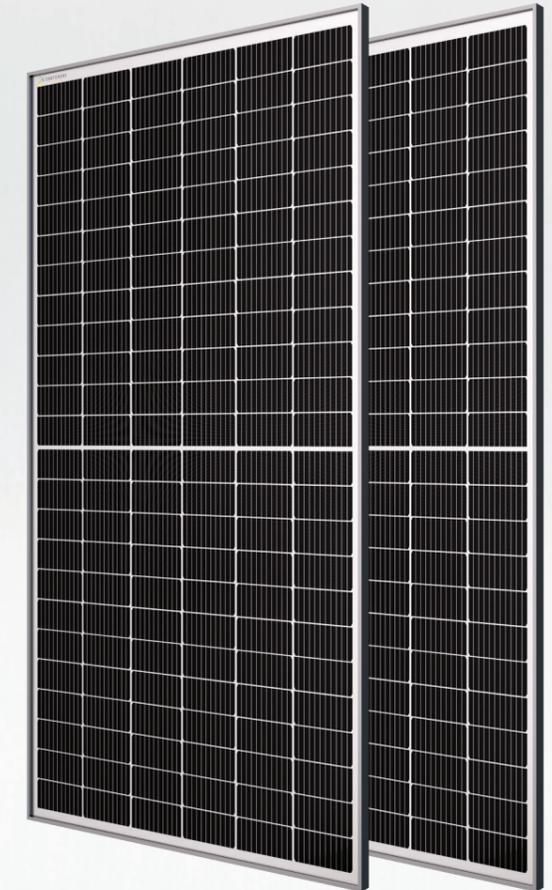


WARRANTY (Monofacial)

12 Year Product Warranty*
25 Year Linear Performance Warranty*



DCR AVAILABLE



KEY FEATURES

- Outstanding Power Generation
- PID Free/LOW LID Protection
- Lower Temperature Coefficient
- Less Hot Spot Shading Effects
- Enhanced Bifacial Factor (For Bifacial Module)
- Exceptional Mechanical Resistance

WHY PARTNER WITH US FOR OEM?

6+ YEARS

of Proven Manufacturing Expertise



Custom Branding Support – from module stickers to carton designs



Flexible Batch Sizes to suit your production plans



Confidential and Reliable Engagement under NDA



Quick Turnaround Time with in-house testing and packing



YOUR ADVANTAGES AS AN OEM PARTNER

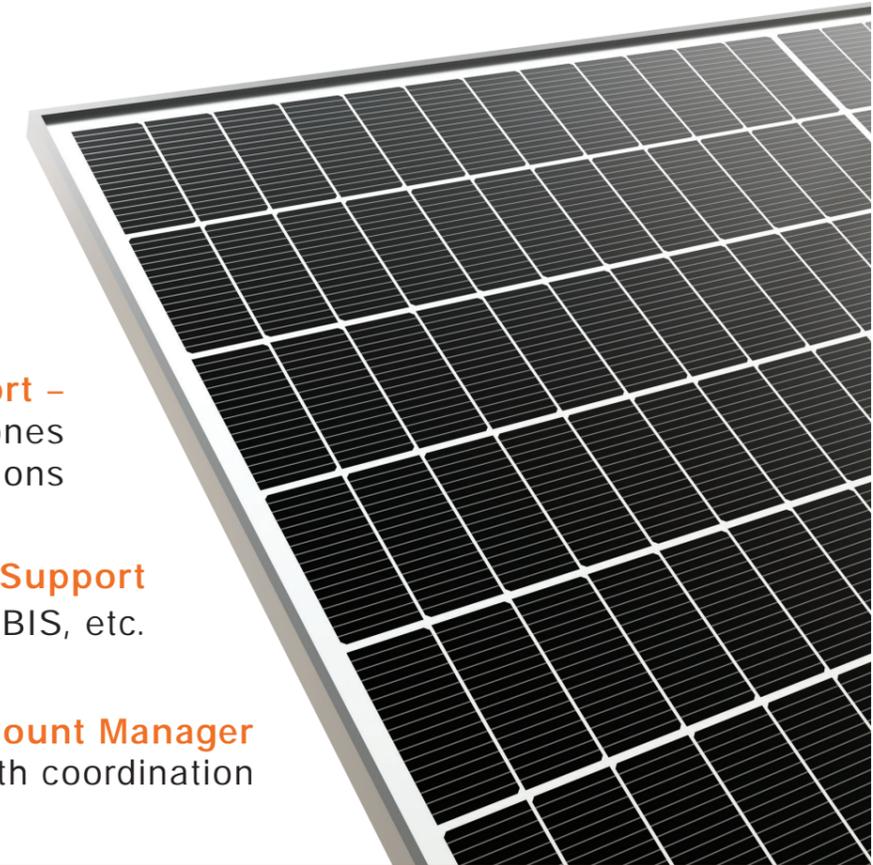
Priority Capacity Allocation

Speed to Market without your own capex

Logistics Support – Multiple loading zones and inventory options

Documentation Support – IEC, ALMM, BIS, etc.

Dedicated Account Manager for smooth coordination



LEGACY OF TRUST

Trusted by the end consumer and fellow manufacturers alike.

